



PCT

## RAW SEQUENCE LISTING

DATE: 06/09/2004

PATENT APPLICATION: US/09/936,367A

TIME: 15:44:11

Input Set : D:\1SEQUENCE LISTING expression of proteolytic

enzymes.ST25.txt

Output Set: N:\CRF4\06092004\I936367A.raw

3 <110> APPLICANT: Affolter et al.,  
 5 <120> TITLE OF INVENTION: Expression of proteolytic enzymes in koji mold in the presence of

6 carbon sources

8 <130> FILE REFERENCE: 112843-029

10 <140> CURRENT APPLICATION NUMBER: us 09/936,367A

11 <141> CURRENT FILING DATE: 2001-09-11

13 <150> PRIOR APPLICATION NUMBER: 99 104 923.0

14 <151> PRIOR FILING DATE: 1999-03-11

16 <160> NUMBER OF SEQ ID NOS: 2

18 <170> SOFTWARE: PatentIn version 3.2

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 4238

22 <212> TYPE: DNA

23 <213> ORGANISM: Aspergillus oryzae

25 <400> SEQUENCE: 1

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ENTERED

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88 atttggtcgc ctgcggtcac cacaccgggtc gtggcctgcc ttccctttca gcgtacgcca 1920
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171 <212> TYPE: PRT
172 <213> ORGANISM: Aspergillus oryzae
174 <400> SEQUENCE: 2
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184 Lys Ala Pro Ser Thr Pro Ser Ser Thr Gln Ser Asn Ser Thr Met Ala
185          35          40          45
188 Ser Ser Val Ser Leu Leu Pro Pro Leu Met Lys Gly Ala Arg Pro Ala
189          50          55          60
192 Thr Glu Glu Ala Arg Gln Asp Leu Pro Arg Pro Tyr Lys Cys Pro Leu
193 65          70          75          80
196 Cys Asp Arg Ala Phe His Arg Leu Glu His Gln Thr Arg His Ile Arg
197          85          90          95
200 Thr His Thr Gly Glu Lys Pro His Ala Cys Gln Phe Pro Gly Cys Thr
201          100          105          110
204 Lys Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His Ser Arg Ile His
205          115          120          125
208 Asn Asn Pro Asn Ser Arg Arg Ser Asn Lys Ala His Leu Ala Ala Ala
209          130          135          140
212 Ala Ala Ala Ala Ala Ala Gly Gln Gly Gln Glu Asn Ala Met Val Asn
213 145          150          155          160
216 Val Thr Asn Ala Gly Ser Leu Met Pro Pro Thr Lys Pro Met Thr
217          165          170          175
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221          180          185          190
224 His Ser Phe Ser Asn Tyr Ala Gly His Met Arg Ser Asn Leu Gly Pro
225          195          200          205
228 Tyr Ala Arg Asn Thr Glu Arg Ala Ser Ser Gly Met Asp Ile Asn Leu
229          210          215          220
232 Leu Ala Thr Ala Ala Ser Gln Val Glu Arg Asp Glu Gln His Phe Gly
233 225          230          235          240
236 Phe His Ala Gly Pro Arg Asn His His Leu Phe Ala Ser Arg His His
237          245          250          255
240 Thr Gly Arg Gly Leu Pro Ser Leu Ser Ala Tyr Ala Ile Ser His Ser
241          260          265          270
244 Met Ser Arg Ser His Phe His Glu Asp Glu Asp Gly Tyr Thr His Arg
245          275          280          285
248 Val Lys Arg Ser Arg Pro Asn Ser Pro Asn Ser Thr Ala Pro Ser Ser
249          290          295          300
252 Pro Thr Phe Ser His Asp Ser Leu Ser Pro Thr Pro Asp His Thr Pro
253 305          310          315          320
256 Leu Ala Thr Pro Ala His Ser Pro Arg Leu Arg Ser Leu Gly Ser Ser
257          325          330          335
260 Glu Leu His Leu Pro Ser Ile Arg His Leu Ser Leu His His Thr Pro
261          340          345          350
264 Ala Leu Ala Pro Met Glu Pro Gln Pro Glu Gly Pro Asn Tyr Tyr Ser
265          355          360          365
268 Pro Ser Gln Ser His Gly Pro Thr Ile Ser Asp Ile Met Ser Arg Pro
269          370          375          380
272 Asp Gly Thr Gln Arg Lys Leu Pro Val Pro Gln Val Pro Lys Val Ala
273 385          390          395          400

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276	Val	Gln	Asp	Met	Leu	Asn	Pro	Ser	Ala	Gly	Phe	Ser	Ser	Val	Ser	Ser
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281					420					425					430	

VERIFICATION SUMMARY

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Input Set : D:\1SEQUENCE LISTING expression of proteolytic

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